

ORGANIC ELECTROLUMINESCENCE DEVICE

Publication number: JP10106749
 Publication date: 1998-04-24
 Inventor: SHI JIANMIN; TANG CHING WAN; CHEN CHIN HSIN
 Applicant: EASTMAN KODAK CO
 Classification:
 - International: G03G5/06; C09K11/06; G09F13/22; H01L51/00;
 H01L51/50; H05B33/14; G03G5/06; C09K11/06;
 G09F13/22; H01L51/00; H01L51/50; H05B33/14; (IPC1-
 7); C09K11/06; H05B33/22; G03G5/06; G09F13/22
 - European: H01L51/50E; C09K11/06; H01L51/00M6H14;
 H05B33/14
 Application number(s): JP19970224104 19970820
 Priority number(s): US199900559903 19960820

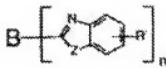
Also published as:
 EP0825803 (A2)
 US5766779 (A1)
 EP0825803 (A3)
 EP0825803 (B1)

[Report a data error here](#)

Abstract of JP10106749

PROBLEM TO BE SOLVED: To form a new organic material contained in an electron transmitting layer of a multilayer organic EL device out of a benzazole compound expressed by a presented molecular formula.

SOLUTION: In an EL device, for example, an anode, a hole transmitting layer and an electron transmitting layer of an organic EL medium and a cathode are laminated on a support body layer such as glass. A light emitting layer as the organic EL medium and also hole and electron implantation layers may also be added. High electron mobility and a wide band gap or the like are expected as the electron transmitting layer, but a benzazole compound expressed by a formula is usually used. In the formula, n is an integer of 2 to 8, and Z is O, N-R or S, and R and R' are hydrogen, alkyl having a carbon atom of 1 to 24, aryl such as a heterocyclic system, or a hetero atom substituted aryl, or an atom necessary to complete a halogenated condensed aromatic ring, and B is a bonding unit composed of alkyl, aryl, substituted alkyl or substituted aryl to conjugably or unconjugably bond plural benzazole derivative and the like.



Data supplied from the esp@cenet database - Worldwide